

The STB Dilute Phase Conveying Systems

▶ The STB Dense Phase Pump

The STB Pulse Phase Pump

**Pneumatic
Conveying**

The STB Dense Phase Pump

The dense phase pump is a batching system designed to pneumatically convey free-flowing powders in a fluidised state.



The vessel is charged with product and fluidising air is introduced through a porous membrane. On opening the discharge valve, fluidised product enters the pipeline and is transported to the receiving vessel, with the product sliding through the pipeline rather than particles being fully suspended in the air stream.

The dense phase pump enables the following gains to be made:

- Product/air ratios of up to 150:1 can be achieved.
- Smaller pipelines can be used.
- Lower conveying velocities.
- Reduction in pipeline wear.
- Reduction in pipeline degradation.
- Conveying rates up to 10 tonne/hr.
- System can be arranged for continuous operation.



engineering



STB Engineering Ltd
Toadsmoor Road
Brimscombe
Stroud
Gloucestershire
GL5 2UF
Tel. 01453 885353
Fax: 01453 886824
sales@stbengineering.com

